

## Sintered ceramic product of whole flyash using "viscous" flyash as adhesive

**Publication number:** CN1075310

**Publication date:** 1993-08-18

**Inventor:** PINZHEN CHEN (CN)

**Applicant:** CHEN PINZHEN (CN)

**Classification:**

**- international:** *C04B33/00; C04B35/18;*  
*C04B33/00; C04B35/18; (IPC1-7):*  
*C04B35/18*

**- European:**

**Application number:** CN19931012337 19930208

**Priority number(s):** CN19931012337 19930208

**Report a data error here**

### Abstract of **CN1075310**

The invention discloses a kind of sintering ceramic product (including construction material) made entirely from pulverized coal ash, the production process includes homogeneous mixing "stick" and non-stick pulverized coal ash, after adding water, active silicon oxide and active aluminium oxide in the non-stick coal ash react with calcium hydroxide produced from 1400 deg.C burnt lime slaking in the "stick" coal ash, thus improving expansion stability and anti-crack property, then drying and roasting. The plasticity and strength of the blank can be improved by adding chemical bonding agent, such as paper-making black liquor and dilute water glass, present invention features low cost, less energy consumption, high strength, light density and good sound and heat insulation properties.

Data supplied from the **esp@cenet** database - Worldwide